

ICS 03 120 20
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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 27410-2010

**Technical specification for laboratories of testing hazardous
substances in consumer products**

消费类产品中有毒有害物质检测实验室技术规范

(English Translation)

Issued on: January 14, 2011

Implemented on: July 1, 2011

Issued by: Standardization Administration of China

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Foreword

This standard is based on the consumer products toxic and hazardous substances detection characteristics of the GB/T 27025-2008 "testing and calibration laboratories General requirements for capacity, "the supplement or refined.

The Standard Appendix A, Appendix B, Appendix C is informative appendix.

This standard certification and accreditation by the National Standardization Technical

Committee (SAC/TC261) and focal points.

Introduction

With the improvement of scientific and technological level and the level of industrial production, consumer products and the number of species is growing rapidly. Consumer Products the presence of hazardous substances influence the health of consumers, the destruction of human living environment. Meanwhile, as people's health and safety ring Paul growing awareness around the world continue to introduce relevant laws and regulations, consumer products community for hazardous substances testing requirements Increasing. Planning and construction, technical capacity, laboratory management directly affects the quality of laboratory testing, through our existing Investigation of consumer products, hazardous substances testing laboratories and analysis and comparison of the status quo, combined with our existing labs of similar people Staffing, instrumentation, management, etc., in order to regulate hazardous substances testing laboratory construction and daily operation of consumer products, Management formulated standards.

Consumer products, hazardous substances testing laboratories shall meet the GB/T 27025-2008 "testing and calibration laboratory capacity through with the requirements "requirements, and recommend the use of this standard. This standard is also available as an authorized institution of such laboratory accreditation basis.

Consumer products toxic and hazardous substances detection Laboratory technical specifications

1 Scope

This standard specifies the consumer products hazardous substances testing laboratories shall meet the technical requirements, including personnel, facilities and the environment, Sample management, resolution and sample preparation, equipment, test methods and method validation and other key aspects.

This standard applies to electrical and electronic products, household textiles, toys, furniture and decoration materials and other consumer products in five categories have toxic Hazardous substances testing laboratories. Other suitable toxic and harmful substances testing laboratories can refer to this standard.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 8170-2008 revised value represents about rules and limit values and judgment
GB/Z20288 hazardous substances in electrical and electronic products in the test sample
resolution General requirements General requirements GB/T 27025-2008 testing and
calibration laboratories

3 Terms and Definitions

The following terms and definitions apply to this standard.

Consumer products to meet the needs of members of society life products sold. The standard refers to consumer products including electrical and electronic products, household Textiles, toys, decoration materials and furniture.

Toxic and hazardous substances Relevant laws and regulations prescribed for health and the environment from potentially harming chemicals.

Waste wastesubstances Sample handling and laboratory waste materials generated during the detection.

Sample split sampledisjointment Using conventional tools necessary to disassemble the product to prepare a sample for chemical analysis process.

Measurement Uncertainty Characterization reasonably be attributed to the dispersion of the parameters, and results of a measurement of the value of the associated.

4.1 Qualifications and ability

4.1.1

The laboratory equipment in operation, chemical testing, results of the evaluation, sensory evaluation report issued assay development and formulation, et al.